

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-07-13 10:33:22
 Date of Next Testing: 2026-07-12 10:33:22
 Product Name: **Copper(I) trifluoromethanesulfonate toluene complex**
 CAS Number: 48209-28-5
 Specifications & Purity: $\geq 99.9\%$ metals basis
 Lot #: G2203427
 SKU #: **C115567**
 Version: **0**
 Analysis #: **096407**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.97000 %
Purity(Titration by KMNO ₄)	97-103 (%)	98.15000 %
Total Metallic Impuritie	0-2000 (ppm)	300.00000 ppm
Appearance (C115567)	Grey to purple or brown powder or chunks	Grey to purple or brown powder or chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager